

SECTION 50. SARSS2AC CATALOG UPDATE PROCESS

50.1 General. The SARSS2AC Catalog Update Process is an as-required, batch process that the SARSS Master Control System (SMCS) performs automatically when it finds Document Identifier Codes (DICs) CPA and CPC in the Catalog Update Input Queue.

a. The purpose of this process is to ensure that the unit of issue (UI), unit price, and/or first two positions of the Materiel Category Structure Code (MATCAT) on SARSS2AC files agree with the SARSS2B Catalog Master File (CMF).

b. SARSS2AC receives DIC CPA and CPC transactions from the SARSS2B Catalog Update - Monthly Process when additions and changes have occurred to the SARSS2B CMF since the last CMF update.

(1) A DIC CPA is a catalog add transaction that may have resulted from a national item identification number (NIIN) being added to the CMF.

(2) A DIC CPC is a catalog change transaction that may have resulted from a change made to the UI, unit price, and/or first two positions of the MATCAT.

c. SARSS2AC uses these transactions to update its records on the Availability Balance File (ABF), Manager Review File (MRF), Reparable Control File, and Suspense Header and Detail Files.

50.2 Interfaces. This process has only internal interfaces.

50.2.1 External Interface. This process has no external interfaces.

50.2.2 Internal Files Interface. This process interfaces internally with the following files, queues, and tables:

a. CMF. The process reads this file for the UI, unit price, and MATCAT.

b. Catalog Update Input Queue. The process reads this queue for input DIC CPC and CPA transactions and processes them.

c. Document History Input Queue. Various edits may cause the process to write DIC YFF transactions to this queue. When the transaction UI and the CMF Record UI match, and the ABF Record for the NIIN has an on-hand quantity, the process generates a DIC YFF and sends it to this queue for the Document History - Daily Process. Likewise, if the transaction UI does not match the CMF Record UI but the UI can be converted (old and new UI match the UI Conversion Code Table), and the ABF Record for the NIIN has an on-hand balance, the process generates a DIC YFF and sends it to this queue for document history.

d. Financial Routing Identifier Code (RIC) Table. The process reads this table for the financial bridge indicator (fin_bridg_ind) entry.

e. MRF. The process reads this file and may convert quantities.

- f. Parameter Files. The process reads the SARSS2A Unit Unique Record to obtain the parameter Manager Code (PARM-MGR-CD) when it writes transactions for print on the Error Listing, and to obtain the RIC-2B-SPT when it writes transactions to SARSS2B. The process also reads the UI Conversion Code File to determine whether it can perform a UI conversion.
- g. ABF. The process reads this file and may convert quantities.
- h. Reparable Control File. The process reads this file and may convert quantities.
- i. Suspense Header File. The process reads this file and may convert quantities.
- j. Suspense Detail File. The process reads this file and may convert quantities.
- k. Print Queue. The process writes transactions to this queue for print on the Error Listing when error conditions occur.
- l. Projected Turn-In (PTI) Table. The process reads this table and may convert quantities.

50.3 Process Overview. The SARSS2AC Catalog Update Process is an as-required, batch process that the SARSS Master Control System (SMCS) performs automatically when it finds DIC CPA or CPC transactions in the Catalog Update Input Queue.

a. When the SARSS2AC Catalog Update Process receives a DIC CPA or CPC, it compares the UI on the DIC CPA or CPC transaction to the UI on the SARSS2B CMF.

(1) If the UI on the DIC CPA or CPC matches the UI on the SARSS2B CMF, the process reads the ABF for a matching record of the NIIN. If it finds a matching record of the NIIN on the ABF with an on-hand quantity greater than zero, the process generates a DIC YFF (financial) transaction for finance and writes it to the Document History Input Queue for subsequent processing in the Document History - Daily Process. It does this for every matching record of the NIIN it finds on the ABF.

(2) If the UI on the DIC CPA or CPC does not match the UI on the SARSS2B CMF, the process runs a UI Conversion Factor Module to determine if the UI can be converted. It checks the UI Conversion Code File to see if it contains an old UI that matches the UI on the SARSS2B CMF Record and if the corresponding new UI for that old UI matches the UI on the DIC CPA or CPC transaction. The process sets a flag when it cannot find a UI match on the UI Conversion Code File.

(a) If it finds an old UI on the UI Conversion Code File that matches the UI on the SARSS2B CMF and the corresponding new UI for that old UI matches the UI on the DIC CPA or CPC transaction, the process can perform a UI conversion. It changes the UI on the DIC CPA or CPC to match that of the old UI and uses the new UI conversion factor for that UI to convert quantities and update applicable records on the ABF, Suspense Header File, Suspense Detail File, Reparable Control File, PTI Table, and the MRF. It also generates a DIC YFF for document history.

(b) If it cannot find an old UI on the UI Conversion Code File that matches the UI on the SARSS2B CMF, the process cannot perform a UI conversion. It changes the DIC of the DIC CPA or CPC to YSU (UI conversion transaction with a non-definitive or nonconvertible UI relationship) and returns the transaction to the SARSS2B Catalog Update - Monthly Process.

b. Anytime this process converts quantities on the ABF Record, it generates a DIC YFF for document history. It reads the SARSS2A Unit Unique Record to obtain the RIC-2B-SPT, then sends it to the Document History Input Queue for subsequent processing in the Document History - Daily Process.

c. When the Document History - Daily Process receives this DIC YFF transaction, it does not post it to document history. Instead, it reads the Financial RIC Table for the financial bridge indicator (fin_bridg_ind) entry and passes it to finance for posting to the financial files through the Financial Interface (Bridge) Process. A Transaction Code in record position (RP) 7 on the DIC YFF indicates why the DIC YFF was generated. Following is a list of these Transaction Codes with an explanation:

- (1) A - The DIC CPA or CPC transaction MATCAT and the CMF Record MATCAT are not the same.
- (2) B - The DIC CPA or CPC unit price and MATCAT and the CMF Record unit price and MATCAT are not the same.
- (3) C - The DIC CPA or CPC unit price and the CMF Record unit price are different.
- (4) D - The DIC CPA or CPC UI, unit price, and MATCAT and the CMF Record UI, unit price, and MATCAT do not match.
- (5) E - The DIC CPA or CPC UI and unit price and the CMF Record UI and unit price are not the same.
- (6) F - The DIC CPA or CPC UI and MATCAT and the CMF Record UI and MATCAT do not match.
- (7) G - None of the conditions cited for Transaction Codes A through F apply.

50.4 Input. Input to this process consists of DIC CPA or CPC transactions from the SARSS2B Catalog Update Process.

50.5 Type Processing. This is a batch process that the SMCS initiates automatically; it does not require operator intervention.

50.5.1 Process Parameters. DIC CPA or CPC transactions with a UI that matches the CMF Record UI and for which there is no ABF Record or for which there is an ABF Record but no on-hand quantity are not processed further.

50.5.2 Accessing the Process. The operator cannot access this process. The SMCS automatically initiates it when it finds transactions in the input queue.

50.5.3 Operator Actions. This process requires no operator action.

50.5.4 Edits. This process edits the UI, unit price, and MATCAT on the DIC CPA or CPC to ensure they match the SARSS2B CMF.

50.6 Output. Output from this process consists of DIC YFF and YSU transactions to SARSS2B.

ADSM 18-L1Q-AJP-ZZZ-EM
Volume II
14 August 1998

Blank Page